

RAW SEQUENCE LISTING ERROR REPORT

JUL 1 9 2004

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

Source:

-Date Processed by STIC:

10/814,634 IFNO

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

 TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.1 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkr4Inote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 2023 I zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- Hand Carry directly to (EFFECTIVE 12/0\03): U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1803, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1803-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER 10/8/4/634
ATTN: NEW RULES CASES	PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retfieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
SVariable Length	Sequence(s)contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6Patentin 2.0 "bug"	A "bug" in Patentin version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, Patentin would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
· · · · · · · · · · · · · · · · · · ·	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If Intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10 Invalid <213> Response	Per 1.823 of Sequence Rules, the only <u>valid <213> responses are: Unknown Artificial Sequence, or scientific name (Genus/species) <220> <223> section is required when <213> response is Unknown or is Artificial Sequence</u>
Use of <220>	Sequence(s)nissing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 0001/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
Patentin 2.0 "bug"	Please do not use "Côpy to Disk" function of Patentin version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13 Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC - Biotechnology Systems Branch - 09/09/2003





IFWO

RAW SEQUENCE LISTING

DATE: 04/08/2004

PATENT APPLICATION: US/10/814,634

TIME: 10:04:11

Input Set : A:\SEQLIST FINAL.TXT

Output Set: N:\CRF4\04082004\J814634.raw

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4 <110> APPLICANT: CHENEVAL, Dominique
     5
             KASTELIC, Tania
             Novation Pharmaceuticals Inc.
      8 <120> TITLE OF INVENTION: Assay for identifying Compounds Which
             Affect Stability of mRNA
    12 <130> FILE REFERENCE: 793-104CIP
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/814,634
C--> 14 <141> CURRENT FILING DATE: 2004-04-01
     14 <150> PRIOR APPLICATION NUMBER: 09/869,159
                                                               Does Not Comply
    15 <151> PRIOR FILING DATE: 1999-12-23
                                                               Corrected Diskette Needed
    17 <160> NUMBER OF SEQ ID NOS: 30
    19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
    21 <210> SEQ ID NO: 1
    22 <211> LENGTH: 1105
    23 <212> TYPE: DNA
    24 <213> ORGANISM: Homo Sapiens
    26 <400> SEQUENCE: 1
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    28 tgtccattta tagaataatg tgggaagaaa caaacccgtt ttatgattta ctcattatcg 120
    29 cettttgaca getgtgetgt aacacaagta gatgeetgaa ettgaattaa teeacacate 180
    30 agtaatgtat totatototo titacattit ggtototata otacattatt aatgggtitt 240
    31 gtgtactgta aagaatttag ctgtatcaaa ctagtgcatg aatagattct ctcctgatta 300
    32 tttatcacat agccccttag ccagttgtat attattcttg tggtttgtga cccaattaag 360
    33 tectaettta catatgettt aagaategat gggggatget teatgtgaae gtgggagtte 420
    34 agetgettet ettgeetaag tatteettte etgateacta tgeattttaa agttaaacat 480
    35 ttttaagtat ttcagatget ttagagagat tttttttee atgactgeat tttactgtae 540
    36 agattgetge ttetgetata tttgtgatat aggaattaag aggatacaca egtttgttte 600 .
    37 ttegtgeetg tittatgige acaeattagg cattgagaet teaagetitt ettittigt 660
    38 ccacgtatet ttgggtettt gataaagaaa agaateeetg tteattgtaa geaettttae 720
    39 ggggcgggtg gggaggggtg etetgetggt etteaattae caagaattet ecaaaacaat 780
    40 tttctgcagg atgattgtac agaatcattg cttatgacat gatcgctttc tacactgtat 840
    41 tacataaata aattaaataa aataaccccg ggcaagactt ttctttgaag gatgactaca 900
    42 gacattaaat aatcgaagta attttgggtg gggagaagag gcagattcaa ttttctttaa 960
    43 ccagtctgaa gtttcattta tgatacaaaa gaagatgaaa atggaagtgg caatataagg 1020
    44 ggatgaggaa ggcatgcctg gacaaaccct tcttttaaga tgtgtcttca atttgtataa 1080
    45 aatggtgttt tcatgtagcg gccgc
                                                                          1105
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    48 <211> LENGTH: 904
    49 <212> TYPE: DNA
    50 <213> ORGANISM: Homo Sapiens
    52 <400> SEQUENCE: 2
    53 geggeegetg aagteaacat geetgeeeca aacaaatatg caaaaggtte actaaageag 60
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54 tagaaataat atgcattgtc agtgatgtac catgaaacaa agctgcaggc tgtttaagaa 120

RAW SEQUENCE LISTING DATE: 04/08/2004 PATENT APPLICATION: U8/10/814,634 TIME: 10:04:11

Input Set : A:\SEQLIST FINAL.TXT

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56 cagtetteag geaaaaegte gaateageta tttaetgeea aagggaaata teatttattt 240
57 tttacattat taagaaaaaa agatttattt atttaagaca gteecatcaa aacteetgte 300
58 tttggaaatc cgaccactaa ttgccaagca ccgcttcgtg tggctccacc tggatgttct 360
59 gtgcctgtaa acatagattc gctttccatg ttgttggccg gatcaccatc tgaaqagcag 420
60 acggatggaa aaaggacctg atcattgggg aagctggctt tctggctgct ggaggctggg 480
61 gagaaggtgt tcattcactt gcatttcttt gccctggggg ctgtgatatt aacagagga 540
62 gggttcctgt ggggggaagt ccatgcctcc ctggcctgaa gaagagactc tttqcatatg 600
63 actcacatga tgcatacctg gtgggaggaa aagagttggg aacttcagat ggacctagta 660
64 cccactgaga tttccacgcc gaaggacagc gatgggaaaa atgcccttaa atcataggaa 720
65 agtattttt taagctacca attgtgccga gaaaagcatt ttagcaattt atacaatatc 780
66 atccagtacc ttaagccctg attgtgtata ttcatatatt ttggatacgc acccccaac 840
67 toccaatact ggotetgtot gagtaagaaa cagaatooto tggaacttga ggaagtgogg 900
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71 <211> LENGTH: 710
72 <212> TYPE: DNA
73 <213> ORGANISM: Homo Sapiens
75 <400> SEQUENCE: 3
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77 tagaaataat atgcattgtc agtgatgtac catgaaacaa agctgcaggc tgtttaagaa 120
78 aaaataacac acatataaac atcacacaca cagacagaca cacacacaca caacaattaa 180
79 cagtetteag geaaaacgte gaateageta tttactgeea aagggaaata teatttattt 240
80 tttacattat taagaaaaaa agatttattt atttaagaca gtcccatcaa aactcctgtc 300
81 tttggaaate egaceactaa ttgecaagea eegettegtg tggeteeace tggatgttet 360
82 gtgcctgtaa acatagattc gctttccatg ttgttggccg gatcaccatc tgaagagcag 420
83 acggatggaa aaaggacctg atcattgggg aagctggctt tctggctgct ggaggctggg 480
84 gagaaggtgt tcattcactt gcatttettt geeetggggg etgtgatatt aacagaggga 540
85 gggttcctgt ggggggaagt ccatgcctcc ctggcctgaa gaagagactc tttgcatatg 600
86 acteacatga tgeatacetg gtgggaggaa aagagttggg aactteagat ggacetagta 660
87 cccactgaga tttccacgcc gaaggacagc gatgggaaaa atgcggccgc
89 <210> SEQ ID NO: 4
90 <211> LENGTH: 688
91 <212> TYPE: DNA
92 <213> ORGANISM: Homo Sapiens
94 <400> SEQUENCE: 4
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96 aaggccccca aggtagttat ccttaaaaaa gccacagcat acatcctgtc cgtccaagca 120
97 gaggagcaaa agctcatttc tgaagaggac ttgttgcgga aacgacgaga acagttgaaa 180
98 cacaaacttg aacagctacg gaactcttgt gcgtaaggaa aagtaaggaa aacgattcct 240
99 tetgacagaa atgteetgag caateaceta tgaacttgtt teaaatgeat gateaaatge 300
100 aacctcacaa ccttggctga gtcttgagac tgaaagattt agccataatg taaactgcct 360
101 caaattggac tttgggcata aaagaacttt tttatgctta ccatcttttt tttttcttta 420
102 acagatttgt atttaagaat tgtttttaaa aaattttaag atttacacaa tgtttctctg 480
103 taaatattgc cattaaatgt aaataacttt aataaaacgt ttatagcagt tacacagaat 540
104 ttcaatccta qtatatagta cctagtatta taggtactat aaaccctaat tttttttatt 600
106 actggcaaat atatcattga gccatatg
108 <210> SEQ ID NO: 5
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RAW SEQUENCE LISTING DATE: 04/08/2004
PATENT APPLICATION: US/10/814,634 TIME: 10:04:11

Input Set : A:\SEQLIST FINAL.TXT

Output Set: N:\CRF4\04082004\J814634.raw

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110 <212> TYPE: DNA
111 <213> ORGANISM: Homo Sapiens
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115 ttattacccc ctccttcaga caccctcaac ctcttctggc tcaaaaaqaq aattgggggc 120
116 ttagggtcgg aacccaaget tagaacttta agcaacaaga ccaccacttc gaaacctggg 180
117 attcaggaat gtgtggcctg cacagtgaag tgctggcaac cactaagaat tcaaactggg 240
118 gcctccagaa ctcactgggg cctacagctt tgatccctga catctggaat ctggagacca 300
119 gggagccttt ggttctggcc agaatgctgc aggacttgag aagacctcac ctagaaattg 360
120 acacaagtgg accttaggcc ttcctctctc cagatgtttc cagacttcct tgagacacgg 420
121 agcccagccc tccccatgga gccagctccc tctatttatg tttgcacttg tgattattta 480
122 ttatttattt attatttatt tatttacaga tgaatgtatt tatttgggag accggggtat 540
123 cctgggggac ccaatgtagg agctgccttg gctcagacat gttttccgtg aaaacggagc 600
124 tgaacaatag getgtteeca tgtageecee tggeetetgt geettetttt gattatgttt 660
125 tttaaaatat ttatctgatt aagttgtcta aacaatgctg atttggtgac caactgtcac 720
126 teattgetga geetetgete eecaggggag ttgtgtetgt aategeeeta etatteagtg 780
127 gcgagaaata aagtttgctt catatg
129 <210> SEQ ID NO: 6
130 <211> LENGTH: 613
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo Sapiens
134 <400> SEQUENCE: 6
135 geggeegeta aagagagetg tacceagaga gteetgtget gaatgtggae teaateecta 60
136 gggetggeag aaagggaaca gaaaggtttt tgagtaegge tatageetgg acttteetgt 120
137 tgtctacacc aatgcccaac tgcctgcctt agggtagtgc taagaggatc tcctgtccat 180
138 cagecaggae agteagetet etcettteag ggecaatece cagecetttt gttgagecag 240
139 geetetetea ecteteetae teaettaaag eeegeetgae agaaaceaeg geeaeatttg 300
140 gttctaagaa accetetgte attegeteee acattetgat gageaaccge tteeetattt 360
141 atttatttat tigittigitt gittiatica tiggictaat tiaticaaag ggggcaagaa 420
142 gtagcagtgt ctgtaaaaga gcctagtttt taatagctat ggaatcaatt caatttggac 480
143 tggtgtgctc tctttaaatc aagtccttta attaagactg aaaatatata agctcagatt 540
144 atttaaatgg gaatatttat aaatgagcaa atatcatact gttcaatggt tctgaaataa 600
145 acttcaccat atg
147 <210> SEQ ID NO: 7
148 <211> LENGTH: 1101
149 <212> TYPE: DNA
150 <213> ORGANISM: Homo Sapiens
152 <400> SEQUENCE: 7
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154 aggggcactg cctggaagat tcaggagcct gggcggcctt cgcttactct cacctgcttc 120
155 tgagttgccc aggaggccac tggcagatgt cccggcgaag agaagagaca cattgttgga 180
156 agaagcagee catgacaget eccetteetg ggactegeee teateetett eetgeteece 240
157 ttcctggggt gcagcctaaa aggacctatg tcctcacacc attgaaacca ctagttctgt 300
158 ccccccagga gacctggttg tgtgtgtgtg agtggttgac cttcctccat cccctggtcc 360
159 ttcccttccc ttcccgaggc acagagagac agggcaggat ccacqtqccc attgtggagg 420
160 cagagaaaag agaaagtgtt ttatatacgg tacttattta atatcccttt ttaattagaa 480
161 attaaaacag ttaatttaat taaagagtag ggtttttttt cagtattctt ggttaatatt 540
162 taatttcaac tatttatgag atgtatettt tgetetetet tgetetetta tttgtacegg 600
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RAW SEQUENCE LISTING DATE: 04/08/2004
PATENT APPLICATION: US/10/814,634 TIME: 10:04:11

Input Set : A:\SEQLIST FINAL.TXT

Output Set: N:\CRF4\04082004\J814634.raw

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163 tttttgtata taaaattcat gtttccaatc tctctctccc tgatcggtga cagtcactag 660
164 cttatcttga acagatattt aattttgcta acactcagct ctgccctccc cgatcccctg 720
165 getececage acacatteet ttgaaataag gttteaatat acatetacat actatata 780
166 tatatttggc aacttgtatt tgtgtgtata tatatatat tatgtttatg tatatatgtg 840
167 attctgataa aatagacatt gctattctgt tttttatatg taaaaacaaa acaagaaaaa 900
168 atagagaatt ctacatacta aatctctctc cttttttaat tttaatattt gttatcattt 960
169 atttattggt gctactgttt atccgtaata attgtgggga aaagatatta acatcacgtc 1020
170 tttgtctcta gtgcagtttt tcgagatatt ccgtagtaca tatttatttt taaacaacga 1080
171 caaaqaaata cagaacatat g
173 <210> SEQ ID NO: 8
174 <211> LENGTH: 168
175 <212> TYPE: DNA
176 <213> ORGANISM: Homo Sapiens
178 <400> SEQUENCE: 8
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180 tatatatata aaaataaata tototattit atatatataa aatatatata tiotititit 120
181 aaattaacag tgctaatgtt attggtgtct tcactggatg aacatatg
                                                           Invalide (2137 Response 33
Response has to be eithernown aagttege has to be eithernown Invalide Artificial University OR Genus | Speciesso Response or Genus | Species Res
183 <210> SEQ ID NO: 9
184 <211> LENGTH: 33
185 <212> TYPE: DNA
186 <213> ORGANISM: Primer
188 <400> SEQUENCE: 9
189 ttgcggccgc tacatgaaaa caccatttta tac
191 <210> SEQ ID NO: 10
192 <211> LENGTH: 30
193 <212> TYPE: DNA,
194 <213> ORGANISM: Primer
196 <400> SEQUENCE: 10
197 tgcggccgcc acagcagcct ctgaagttgg
                                                                                                      Please see item #10
On erron summery
199 <210> SEQ ID NO: 11
200 <211> LENGTH: 29
201 <212> TYPE: DNA
202 <213> ORGANISM: (Primer
204 <400> SEQUENCE: 11
205 agcggccgca cttcctcaag ttccagagg
207 <210> SEQ ID NO: 12
208 <211> LENGTH: 28
209 <212> TYPE: DNA
210 <213> ORGANISM: Primer
212 <400> SEQUENCE: 12
213 ageggeeget gaagteaaca tgeetgee
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215 <210> SEQ ID NO: 13
216 <211> LENGTH: 28
217 <212> TYPE: DNA
218 <213> ORGANISM Primer
220 <400> SEQUENCE: 13
                                                                                                                                                    28
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223 <210> SEQ ID NO: 14
224 <211> LENGTH: 28
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RAW SEQUENCE LISTING PATENT APPLICATION: US/10/814.634

DATE: 04/08/2004 TIME: 10:04:11

Same errors Input Set : A:\SEQLIST FINAL.TXT Output Set: N:\CRF4\04082004\J814634.raw 225 <212> TYPE: DNA 226 <213> ORGANISM: Primer 228 <400> SEQUENCE: 14 . 229 ccatatggct caatgatata tttgccag 28 231 <210> SEQ ID NO: 15 232 <211> LENGTH: 32 233 <212> TYPE: DNA 234 <213> ORGANISM: Primer 236 <400> SEQUENCE: 15 237 ageggeeget eggagetttt ttgeeetgeg tg 32 239 <210> SEQ ID NO: 16 240 <211> LENGTH: 28 241 <212> TYPE: DNA 242 <213> ORGANISM: Primer 244 <400> SEQUENCE: 16 28 245 ccatatgaag caaactttat ttctcgcc 247 <210> SEQ ID NO: 17 248 <211> LENGTH: 31 249 <212> TYPE: DNA 250 <213> ORGANISM: Primer 252 <400> SEQUENCE: 17 253 agcggccgct gaggaggacg aacatccaac c 31 255 <210> SEQ ID NO: 18 256 <211> LENGTH: 27 257 <212> TYPE: DNA 258 <213> ORGANISM Primer 260 <400> SEQUENCE: 18 27 261 ccatatggtg aagtttattt cagaacc 263 <210> SEQ ID NO: 19 264 <211> LENGTH: 30 265 <212> TYPE: DNA 266 <213> ORGANISM: Primer 268 <400> SEQUENCE: 19 30 269 agcggccgct aaagagagct gtacccagag 271 <210> SEQ ID NO: 20 272 <211> LENGTH: 32 273 <212> TYPE: DNA 274 <213> ORGANISM: (Primer 276 <400> SEQUENCE: 20_ 277 aacatatgtt ctgtatttct ttgtcgttgt tt 32 279 <210> SEQ ID NO: 21 280 <211> LENGTH: 32 281 <212> TYPE: DNA 282 <213> ORGANISM: (Primer 284 <400> SEQUENCE: 24-32 285 tgcggccgca ttgctgtgct ttggggattc cc 287 <210> SEQ ID NO: 22 288 <211> LENGTH: 33 289 <212> TYPE: DNA The type of errors shown exist throughout the Sequence Listing, Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/814,634

DATE: 04/08/2004

TIME: 10:04:12

Input Set : A:\SEQLIST FINAL.TXT

Output Set: N:\CRF4\04082004\J814634.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date